

Title (en)

System and methods for transmitting data on a reverse link channel

Title (de)

System und Verfahren zur Datenübertragung auf einem Kanal der Rückwärtsverbindung

Title (fr)

Système et procédés pour la transmission de données sur un canal de liaison descendant

Publication

EP 1251663 B1 20140312 (EN)

Application

EP 02008766 A 20020418

Priority

- KR 20010021273 A 20010420
- KR 20010032352 A 20010609

Abstract (en)

[origin: EP1251663A2] For effective use of wireless channels and allowing high-speed data transfers on the reverse link in a mobile communications system, the modulation mode and/or the coding rate can be adaptively adjusted according to changes in the wireless channel conditions. To estimate the channel conditions, the mobile station (10) transmits an access signal via an access channel to the base station (20). The base station (20) determines a first data transmission rate based upon the signal power level value of the access signal and an actual signal power level detected from the access channel, and also determines a second data transmission rate based upon a signal load detected at the base station (20). The base station (20) selects the appropriate data transmission rate, and applies an adjusted modulation mode and/or channel coding. A plurality of mobile stations (10) can be handled by assigning priority levels to the mobile stations (10). By limiting the reverse link data transmission time period, many mobile stations (10) can be handled for transmitting large amounts of data.

IPC 8 full level

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CPC (source: EP US)

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Cited by

CN105933927A; EP1953977A4; EP2341671A3; EP2574127A3; EP2574128A3; EP2574129A3; EP2574130A3; EP2574131A3; EP2579669A3; US7433335B2; US8477732B2; US8379579B2; WO2007005311A3; WO2004100463A1; KR101012202B1

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